SEQUENCE LISTING

<110>   Buschle, Michael
        Frisch, Jurgen
        Klade, Christoph
        Lingnau, Karen
        Zauner, Wolfgang
        Zettlmeissl, Gerd

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<141>   2006-01-11

<150>   EP 03450171.8
<151>   2004-03-12

<150>   EP 04450062.7
<151>   2004-07-11

<150>   PCT/EP2004/007540
<151>   2004-07-09

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Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala
1   5   10   15

Thr

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Ala Ala Trp Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val Arg Leu
1   5   10   15

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Ala Ala Trp Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val Arg Leu Arg
1   5   10   15

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Ala Phe Cys Ser Ala Met Tyr Val Gly Asp Leu Cys Gly Ser Val
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Ala Gly Ala Ala Trp Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val
1   5   10   15

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Ala Arg Leu Ile Val Phe Pro Asp Leu
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Ala Arg Leu Ile Val Phe Pro Asp Leu Gly Val Arg Val Cys Glu Lys
1   5   10   15

Met Ala Leu Tyr
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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu
1   5   10

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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Ala Ala Thr
1   5   10

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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Pro Ser Val Ala Ala Thr
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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
1   5   10   15

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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
1   5   10   15

Ala Ala

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Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val
1   5   10   15

Ala Ala Thr

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Ala Tyr Ser Gln Gln Thr Arg Gly Leu
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Ala Tyr Ser Gln Gln Thr Arg Gly Leu Leu
1   5   10

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Cys Ile Asn Gly Val Cys Trp Thr Val
1   5

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<400> 18

Asp Ile Leu Ala Gly Tyr Gly Ala Gly Val Ala Gly Ala Leu Val
1   5   10   15

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Asp Leu Met Gly Tyr Ile Pro Ala Val
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Asp Leu Met Gly Tyr Ile Pro Leu Val
1   5

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Asp Leu Met Gly Tyr Ile Pro Ala Val Gly
1   5   10

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Asp Leu Met Gly Tyr Ile Pro Leu Val Gly
1   5   10

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1   5   10

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<400>   25

Asp Leu Met Gly Tyr Ile Pro Ala Val Gly Ala Pro Leu
1   5   10

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<400> 26

Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
1   5   10

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<400> 27

Asp Leu Met Gly Tyr Ile Pro Ala Leu Val Gly Ala Pro Leu
1   5   10

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<400> 28

Asp Leu Met Gly Tyr Ile Pro Ala Val
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Asp Leu Met Gly Tyr Ile Pro Leu Val
1   5

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Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala
1   5   10

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<400> 31

Asp Leu Met Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
1   5   10

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1   5   10

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<400> 33

Asp Tyr Pro Tyr Arg Leu Trp His Tyr
1   5

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<400> 34

Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Phe
1   5   10   15

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<400> 35

Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Phe Thr
1   5   10   15

Ile Phe Lys Ile
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<210> 36
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<400> 36

Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Phe Thr
1   5   10   15

Ile Phe Lys Val
            20

<210> 37
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<400> 37

Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Tyr
1   5   10   15

<210>   38
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<400>   38

Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Tyr Thr
1   5   10   15

Ile Phe Lys Ile
                20

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<400>   39

Glu Leu Ser Pro Leu Leu Leu Ser Thr
1   5

<210>   40
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<400>   40

Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Ala Ala Trp
1   5   10   15

Tyr Glu

<210>   41
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<400>   41

Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala Trp
1   5   10   15

Tyr Glu

<210>   42
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<400> 42

Phe Asp Ser Val Val Leu Cys Glu Cys Tyr Asp Ala Gly Ala Ala Trp
1   5   10   15

Tyr Glu

<210> 43
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<400> 43

Phe Asp Ser Val Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala Trp
1   5   10   15

Tyr Glu

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<400> 44

Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Ala Ala Trp
1   5   10   15

Tyr Glu

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Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala
1   5   10   15

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Phe Thr Asp Asn Ser Ser Pro Pro Ala Val Pro Gln Thr Phe Gln Val
1   5   10   15

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<400> 47

Gly Glu Val Gln Val Val Ser Thr Ala Thr Gln Ser Phe Leu Ala Thr
1   5   10   15

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<400> 48

Gly Glu Val Gln Val Val Ser Thr Ala Thr Gln Ser Phe Leu Ala Thr
1   5   10   15

Cys Ile Asn Gly
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<210> 49
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<400> 49

Gly Glu Val Gln Val Val Ser Thr Ala Thr Gln Ser Phe Leu Ala Thr
1   5   10   15

Cys Ile Asn Gly Val Cys Trp Thr Val
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<400> 50

Gly Pro Arg Leu Gly Val Arg Ala Thr
1   5

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Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys
1   5   10

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<400> 52

Gly Gln Gly Trp Arg Leu Leu Ala Pro Ile Thr Ala Tyr Ser Gln
1   5   10   15

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<400> 53

Gly Gln Gly Trp Arg Leu Leu Ala Pro Ile Thr Ala Tyr Ser Gln Gln
1   5   10   15

Thr Arg Gly Leu Leu Gly
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<210> 54
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<400> 54

Gly Gln Gly Trp Arg Leu Leu Ala Pro Ile Thr Ala Tyr Ser Gln Gln
1   5   10   15

Thr Arg Gly Leu Leu Gly Cys Ile Val
            20   25

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<400> 55

Gly Ser Ile Gly Leu Gly Lys Val Leu Val Asp Ile Leu Ala Gly
1   5   10   15

<210> 56
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<400> 56

Gly Val Leu Phe Gly Leu Ala Tyr Phe Ser Met Val Gly Asn Trp
1   5   10   15

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<400> 57

Gly Trp Arg Leu Leu Ala Pro Ile Thr Ala Tyr Ser Gln Gln Thr Arg
1   5   10   15

Gly Leu Leu Gly Cys Ile Val
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<210>   58
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<400>   58

Gly Tyr Gly Ala Gly Val Ala Gly Ala Leu
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<400>   59

Gly Tyr Ile Pro Leu Val Gly Ala Pro Leu
1   5   10

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<400>   60

Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr
1   5   10

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<400>   61

His Met Trp Asn Phe Ile Ser Gly Ile
1   5

<210>   62
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<400>   62

His Met Trp Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser
1   5   10   15

Thr Leu

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<400>  63

His Met Trp Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser
1               5                   10                  15


Thr Leu Pro Gly Asn Pro Ala
            20


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<400>  64

His Met Trp Asn Phe Ile Ser Gly Ile Ser Thr Leu Pro Gly Asn Pro
1               5                   10                  15


Ala


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His Met Trp Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro Gly Asn Pro
1               5                   10                  15


Ala


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<400>  66

His Tyr Pro Cys Thr Val Asn Phe Thr Ile
1               5                   10


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<400>  67
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His Tyr Pro Cys Thr Val Asn Tyr Thr Ile
1   5   10

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<400> 68

Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys
1   5   10   15

Ile Cys Ile Cys Ile Cys Ile Cys Ile Cys
            20   25

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<400> 69

Ile Gly Leu Gly Lys Val Leu Val Asp Ile Leu Ala Gly Tyr Gly
1   5   10   15

<210> 70
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<400> 70

Ile Gly Leu Gly Lys Val Leu Val Asp Ile Leu Ala Gly Tyr Gly Ala
1   5   10   15

Gly Val Ala Gly Ala Leu Val Ala Phe Lys
            20   25

<210> 71
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<400> 71

Ile Leu Ala Gly Tyr Gly Ala Gly Val
1   5

<210> 72
<211> 22
<212> PRT
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<400> 72

Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro

Arg Arg Gly Pro Arg Leu
            20

<210>   73
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<400>   73

Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro
1   5   10   15

Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys
            20   25

<210>   74
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<400>   74

Lys Phe Pro Gly Gly Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly
1   5   10   15

Val Arg Ala Thr Arg Lys
            20

<210>   75
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<400>   75

Lys Leu Lys Leu Leu Leu Leu Leu Lys Leu Lys
1   5   10

<210>   76
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<400>   76

Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr
1   5   10

<210>   77
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<400>   77

Leu Ala Gly Tyr Gly Ala Gly Val Ala Gly Ala Leu Val Ala Phe
1   5   10   15

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<400> 78

Leu Glu Asp Arg Asp Arg Ser Glu Leu
1   5

<210> 79
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<400> 79

Leu Glu Asp Arg Asp Arg Ser Glu Leu Ser Pro Leu Leu Leu Ser Thr
1   5   10   15

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Leu Glu Asp Arg Asp Arg Ser Glu Leu Ser Pro Leu Leu Leu Ser Thr
1   5   10   15

Thr Glu Trp

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Leu Gly Lys Val Leu Val Asp Ile Leu Ala Gly Tyr Gly Ala Gly
1   5   10   15

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<400> 82

Leu Ile Asn Thr Asn Gly Ser Trp His Ile
1   5   10

<210> 83

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<400> 83

Leu Ile Asn Thr Asn Gly Ser Trp His Ile Asn Arg Thr Ala Leu Asn
1   5   10   15

<210> 84
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Leu Ile Asn Thr Asn Gly Ser Trp His Ile Asn Arg Thr Ala Leu Asn
1   5   10   15

Cys Asn Asp Ser Leu
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<210> 85
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<400> 85

Leu Leu Phe Asn Ile Leu Gly Gly Trp Val
1   5   10

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<400> 86

Leu Pro Arg Arg Gly Pro Arg Leu
1   5

<210> 87
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<400> 87

Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys
1   5   10   15

<210> 88
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Leu Val Asp Ile Leu Ala Gly Tyr Gly Ala Gly Val Ala Gly Ala
1   5   10   15

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Leu Trp His Tyr Pro Cys Thr Val Asn Phe Thr Ile Phe Lys Val
1   5   10   15

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Leu Trp His Tyr Pro Cys Thr Val Asn Tyr Thr Ile Phe Lys Ile
1   5   10   15

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Met Ser Thr Asn Pro Lys Pro Gln Lys
1   5

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Met Ser Thr Asn Pro Lys Pro Gln Arg
1   5

<210> 93
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<400> 93

Met Ser Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
1   5   10   15

Arg

<210> 94
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<400> 94

Met Trp Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr
1   5   10   15

Leu Pro Gly Asn
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<210> 95
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Met Trp Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr
1   5   10   15

Leu Pro Gly Asn Pro Ala
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<210> 96
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<400> 96

Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro
1   5   10   15

Gly Asn

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<400> 97

Asn Phe Ile Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro
1   5   10   15

Gly Asn Pro Ala
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<210> 98
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1   5   10   15

Leu

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Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn Arg
1   5   10

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<400>   100

Gln Arg Lys Thr Lys Arg Asn Thr Asn
1   5

<210>   101
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<400>   101

Gln Tyr Leu Ala Gly Leu Ser Thr Leu
1   5

<210>   102
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<400>   102

Arg Lys Thr Lys Arg Asn Thr Asn Arg
1   5

<210>   103
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<400>   103

Arg Leu Gly Val Arg Ala Thr Arg Lys
1   5

<210>   104
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<400> 104

Arg Leu Ile Val Phe Pro Asp Leu Gly Val
1   5   10

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<400> 105

Arg Leu Leu Ala Pro Ile Thr Ala Tyr
1   5

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<400> 106

Arg Met Tyr Val Gly Gly Val Glu His Arg
1   5   10

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<400> 107

Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
1   5   10

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Arg Ser Glu Leu Ser Pro Leu Leu Leu
1   5

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Arg Thr Ala Leu Asn Cys Asn Asp Ser Leu
1   5   10

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Arg Val Cys Glu Lys Met Ala Leu Tyr
1   5

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Ser Met Ser Tyr Thr Trp Thr Gly Ala Leu
1   5   10

<210> 112
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Ser Met Ser Tyr Thr Trp Thr Gly Ala Leu Ile Thr Pro
1   5   10

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<400> 113

Ser Trp His Ile Asn Arg Thr Ala Leu Asn
1   5   10

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<400> 114

Ser Tyr Thr Trp Thr Gly Ala Leu Ile
1   5

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Thr Ala Tyr Ser Gln Gln Thr Arg Gly Leu Leu Gly
1   5   10

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Thr Ala Tyr Ser Gln Gln Thr Arg Gly Leu Leu Gly Cys Ile Val
1   5   10   15

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1   5   10   15

<210> 118
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<400> 118

Thr Ile Phe Lys Val Arg Met Tyr Val Gly Gly Val Glu His Arg
1   5   10   15

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<400> 119

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<400> 121

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1   5   10   15

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1   5

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Val Ala Gly Ala Leu Val Ala Phe Lys
1   5

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<400> 132

Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Phe
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Thr Ile Phe Lys Val Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
            20   25   30

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<400> 133

Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Phe
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Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
            20   25   30

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Thr Ile Phe Lys Val Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
            20   25   30

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Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
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Thr Ile Phe Lys Val Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
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<400> 137

Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Ile Asn Phe
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Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
        20   25   30

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Thr Ile Phe Lys Val Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
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Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Val Asn Tyr
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Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg Leu
        20   25   30

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<400> 142

Val Leu Cys Glu Cys Tyr Asp Ala Gly Ala
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<210> 143
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Cys Trp Thr Val
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Pro Cys

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1   5   10

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